In the Claims

Claims 1-14 (Cancelled)

15. (Currently Amended) A method for storing data relating to a connection through a routing system in a checkpoint server comprising:

receiving connection information for a connection from a module in a routing system wherein said connection information is information needed by a module to support said connection;

determining a connection identifier for said connection responsive to receiving said connection information;

embedding said connection identifier into said connection information; and storing said connection information with said connection identifier into a space in said memory.

16. (Previously Presented) The method of claim 15 further comprising: detecting a new connection; and

generating a new connection identifier responsive to detecting said new connection.

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17. (Previously Presented) The method of claim 16 wherein said step of generating said new connection identifier comprises combining a source address and a destination address of said new connection.

18. (Previously Presented) The method of claim 15 further comprising:

receiving a request for data for said connection from a firewall application;

determining said connection identifier for said connection; and

retrieving all data stored in said memory that includes said connection

identifier.

19. (Currently Amended) A checkpoint server for storing data for a connection comprising:

circuitry configured to receive connection information for a connection from a module in a routing system wherein said connection information is information needed by a module to support said connection;

circuitry configured to determine a connection identifier for said connection responsive to receiving said connection information;

circuitry configured to embed said connection identifier into said connection information; and

circuitry configured to store said connection information with said connection identifier into a space in said memory.

20. (Previously Presented) The server of claim 19 further comprising:

circuitry configured to detect a new connection; and

circuitry configured to generate a new connection identifier responsive to detecting said new connection.

- 21. (Previously Presented) The server of claim 20 wherein said means of generating said new connection identifier comprises circuitry configured to combine a source address and a destination address of said new connection.
- 22. (Previously Presented) The server of claim 18 further comprising:

 circuitry configured to receive a request for data for said connection from a firewall application;

circuitry configured to determine said connection identifier for said connection; and

circuitry configured to retrieve all data stored in said memory that includes said connection identifier.

23. (Currently Amended) An apparatus for storing connection information for a connection for a routing system comprising:

means for receiving connection information for a connection from a module in a routing system wherein said connection information is information needed by a module to support said connection;

means for determining a connection identifier for said connection responsive to receiving said connection information;

means for embedding said connection identifier into said connection information; and

means for storing said connection information with said connection identifier into a space in said memory.

- 24. (Previously Presented) The apparatus of claim 23 further comprising:

 means for detecting a new connection; and

 means for generating a new connection identifier responsive to detecting
 said new connection.
- 25. (Previously Presented) The apparatus of claim 24 wherein said means for generating said new connection identifier comprises means for combining a source address and a destination address of said new connection.
- 26. (Previously Presented) The apparatus of claim 23 further comprising:

 means for receiving a request for data for said connection from a firewall application;

means for determining said connection identifier for said connection; and means for retrieving all data stored in said memory that includes said connection identifier.